**Project Design Phase-I**

**Proposed Solution Template**

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| **Date** | **22/09/2022** |
| **Team ID** | **PNT2022TMID08194** |
| **Project Name** | Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies |
| **Maximum Marks** |  |

**Proposed solution:**

The main objective of this project to claim the insurance for the damaged part of the vehicle by the customer through the insurance agents via Online. This Project will also predict the cost estimation of the vehicle damages which leads to major or minor charges using artificial intelligence.

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| **S.No** | **Parameter** | **Description** |
| 1 | Problem statement (problem to be solved) | The Claim for Damaged vehicle takes more process and consume more time taken to receive the insurance which leads significant problem in the transport system. |
| 2 | Idea / Solution description | Three types of user such as customer, agent and admin for this application. Authenticated customer should take images of the damaged part and upload in the cloudantDB. The Approved Agent should verified the images and estimated the automated cost of the damaged using Artificial Intelligent. Admin who manipulate the entire process of Customer and agent. |
| 3 | Novelty / Uniqueness | Cost estimation of the damaged vehicle **prediction** using **Artificial Intelligent Technique**. **Classification** of major and minor damages using **Supervised and unsupervised algorithm. Space Efficiency** using CloudantDB |
| 4 | Social Impact / Customer Satisfaction | This proposed solution may reduce the manual process time and also amount spend will be reduced. |
| 5 | Business Model (financial Benefit) | The amount spend for claim the insurance for the damaged vehicle will be reduced. |
| 6 | Scalability of Solution | More than 1000 customer can be process within a time using CloudantDB, more effective and efficiency process. |